[10191/1897]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s)	:	Lothar DIEHL
Serial No.	:	09/913,482
Filed	:	November 26, 2001
For	:	ELECTROCHEMICAL SENSOR
Art Unit	:	1743
Examiner	:	Ta Hsung Tung

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: ~~Assistant Commissioner for Patents, Washington, D.C. 20231~~ ALEXANDRIA, VA 22313-1450 on 5/19/2003 Date

Atty's Reg. # 33,865

Atty's Signature ARTHUR G. SCHAIER

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

AMENDMENT

SIR:

In response to the Office Action mailed on February 14, 2003 (the three-month response date for which has been extended by one month from May 14, 2003 to June 14, 2003), please reconsider the above-identified application based on the following:

IN THE SPECIFICATION: Page 2, line 27, paragraph has been replaced by

--An exemplary embodiment and/or exemplary method of the present invention provides that the internal resistance of a solid electrolyte body in a lead region between the electrode leads situated on the solid electrolyte body is significantly higher than the internal resistance of the solid electrolyte body in a measuring region between the corresponding electrodes. Thus, the contribution to the total resistance made by the internal resistance in the lead region of the solid electrolyte body, which is connected in parallel to the internal resistance in the measuring region of the solid electrolyte body, is significantly reduced. Thus, the influence of the internal resistance in the lead region on the temperature regulation may be negligible. Additionally, from a standpoint of production engineering, an electrically insulating layer may be dispensed with sot that a printing step may no longer be required.--.